KARNATAKA TEST HOUSE PVT. LTD.

MATERIAL TESTING LABORATORY

778/44, Gokul 1st Stage, 2nd Phase, 8th Cross, Triveni Road,
Yeshwanthpur, Bangalore - 560 054.
Tel.: 23378383, 23375326, E-mail : kthblr@gmail.com Website : www.karnatakatesthouse.com

Report No. : KTH/ST/2925-5024b/2013-2014 **Date: 08.04.2014**

TEST REPORT ON M S SQUARE PIPE

Name of the Customer* : **The Assistant Executive Engineer,**
T Dasarahalli Sub Division,
Bagalgunte, BBMP, Bangalore.

Name of the Project* : Improvements & Fixing of Steel Name & Cross Boards in Dasarahalli Ward No.15

Name of Contractor* : Mr. T L Venkatesh, Bangalore.

Source of Sample : Supplied by the Customer.

Nature of Sample* : M S Square Pipe (25x25)mm

Sample Received on : 28.03.2014.

Place of test : M/s. Mascot Laboratory Services, Bangalore (NABL Accredited).

Technical Reference : IS: 8811 – 1998 & IS: 2062 – 2011.

TENSILE TEST :

Test	Results	Specification as per IS: 3074 – 2005 for Grade ERW-3
Width (mm)	25	-
Thickness (mm)	1.66	-
Yield Stress (N/mm^2)	397.44	160.0 Min
Ultimate Tensile Strength (N/mm^2)	473.43	310.0 Min
% Elongation (on 5.65 $\sqrt{A}$G.L)	19.30	20.0 Min

BEND TEST:

Angle of Bend	*Mandrel diameter*	*Observations*
180^0	6xW	No cracks observed. Passes the test.

FLATTENING TEST:

Dist. b/w parallel plate	*Observations*
5t	No cracks observed. Passes the test.

* As furnished by the Customer

For **KARNATAKA TEST HOUSE PVT. LTD.**

(SREENIVASA C.)
TECHNICAL MANAGER

Note : 1) This report is not to be reproduced except in full without our prior permission in writing.
2) The results listed refer only to the tested samples and applicable parameters.

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ಟಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬಾಗಲಗುಂಟೆ, ಬೆಂಗಳೂರು - 560 073

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Tel.: 23378383, 23375326, E-mail : kthblr@gmail.com Website : www.karnatakatesthouse.com

Report No. : KTH/ST/2925-5024/2013-2014 **Date: 08.04.2014**

TEST REPORT ON M S PIPE

Name of the Customer* : **The Assistant Executive Engineer,**
T Dasarahalli Sub Division,
Bagalgunte, BBMP, Bangalore.

Name of the Project* : Improvements & Fixing of Steel Name & Cross Boards in Dasarahalli Ward No.15

Name of Contractor* : Mr. T L Venkatesh, Bangalore.

Source of Sample : Supplied by the Customer.

Nature of Sample* : M S Pipe (25.5x1.70)mm

Sample Received on : 28.03.2014.

Place of test : M/s. Mascot Laboratory Services, Bangalore (NABL Accredited).

Technical Reference : IS: 8811 – 1998 & IS: 2062 – 2011.

TENSILE TEST :

Test	Results	Specification as per IS: 3074 – 2005 for Grade ERW-3
Outer Diameter (mm)	25.5	-
Thickness (mm)	1.70	-
Yield Stress (N/mm^2)	450.26	160.0 Min
Ultimate Tensile Strength (N/mm^2)	503.76	310.0 Min
% Elongation (on 5.65 $\sqrt{A}$G.L)	19.54	20.0 Min

BEND TEST:

Angle of Bend	*Mandrel diameter*	*Observations*
180^0	6xW	No cracks observed. Passes the test.

FLATTENING TEST:

Dist. b/w parallel plate	*Observations*
5t	No cracks observed. Passes the test.

* As furnished by the Customer

For **KARNATAKA TEST HOUSE PVT. LTD.**

(SREENIVASA.C.)
TECHNICAL MANAGER

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ಬಾಗಲಗುಂಟೆ, ಬೆಂಗಳೂರು

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Report No. : KTH/ST/2925-5024a/2013-2014 **Date: 08.04.2014**

TEST REPORT ON M S PIPE

Name of the Customer* : **The Assistant Executive Engineer,**
T Dasarahalli Sub Division,
Bagalgunte, BBMP, Bangalore.

Name of the Project* : Improvements & Fixing of Steel Name & Cross Boards in Dasarahalli Ward No.15

Name of Contractor* : Mr. T L Venkatesh, Bangalore.

Source of Sample : Supplied by the Customer.

Nature of Sample* : M S Pipe (64x1.75)mm

Sample Received on : 28.03.2014.

Place of test : M/s. Mascot Laboratory Services, Bangalore (NABL Accredited).

Technical Reference : IS: 8811 – 1998 & IS: 2062 – 2011.

TENSILE TEST :

Test	Results	Specification as per IS: 3074 – 2005 for Grade ERW-3
Outer Diameter (mm)	64	-
Thickness (mm)	1.75	-
Yield Stress (N/mm^2)	286.99	160.0 Min
Ultimate Tensile Strength (N/mm^2)	323.19	310.0 Min
% Elongation (on 5.65 $\sqrt{A}$G.L)	34.64	20.0 Min

BEND TEST:

Angle of Bend	*Mandrel diameter*	*Observations*
180^0	6xW	No cracks observed. Passes the test.

FLATTENING TEST:

Dist. b/w parallel plate	*Observations*
5t	No cracks observed. Passes the test.

* As furnished by the Customer

For **KARNATAKA TEST HOUSE PVT. LTD.**

(SREENIVASA.C.)
TECHNICAL MANAGER

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